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NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
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NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (keratin or keratin hydrogel) and soil(p)amendment? and hydratable keratin and cationic species

0* FILE ADISNEWS
0* FILE ANTE
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0* FILE ESBIODASE
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA

34 FILES SEARCHED...

2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
2 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS

68 FILES SEARCHED...

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HYDRATABLE KERATIN AND CATIONIC SPECIES

=> file ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.30	1.51

FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 02:23:02 ON 08 DEC 2008

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FILE 'USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 4 L1

=> d l2 1-4

L2 ANSWER 1 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
 AN 10627023 IFIPAT;IFIUDB;IFICDB
 TI Hydratable form of keratin for use as a soil amendment; comprises an oxidized keratin that upon hydration forms a hydrogel which can increase the water retention properties of soil and provide a source of organic and inorganic nutrients can also support the remediation of contaminated soils
 IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons Scott F; Van Dyke Mark E
 PA Keraplast Technologies Ltd
 Southwest Research Institute
 (50215, 78576)
 PI US 20040134248 A1 20040715
 AI US 2003-715337 20031117
 RLI US 2000-516755 20000301 DIVISION 6649740
 FI US 20040134248 20040715
 US 6649740
 DT Utility; Patent Application - First Publication
 FS CHEMICAL APPLICATION
 ED Entered STN: 16 Jul 2004
 Last Updated on STN: 11 May 2006
 CLMN 51
 GI 3 Figure(s).
 FIG. 1. Schematic of the oxidation of keratin cystine residues to sulfonic acid groups.
 FIG. 2. Typical titration curve for a one gram sample of oxidized keratin derived from hair.
 FIG. 3. Graph depicting the number of moles of sodium hydroxide required to neutralize keratin derived from hair that has been oxidized for varying times.

L2 ANSWER 2 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
 AN 03972059 IFIPAT;IFIUDB;IFICDB
 TI Hydratable form of keratin for use as a soil amendment; Oxidized, comprises sulfonate groups and is associated with metal ions; hydrogel; use in bioremediation and increasing water retention
 IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons Scott F; Van Dyke Mark E
 PA Keraplast Technologies Ltd (50215)
 PI US 6649740 B1 20031118
 AI US 2000-516755 20000301
 FI US 6649740 20031118
 DT Utility; Reassigned
 FS CHEMICAL GRANTED
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 27 May 2004
 MRN 010950 MFN: 0745
 010952 0118
 010952 0129
 013248 0355
 CLMN 23
 GI 3 Drawing Sheet(s), 3 Figure(s).
 FIG. 1. Schematic of the oxidation of keratin cystine residues to sulfonic acid groups.
 FIG. 2. Typical titration curve for a one gram sample of oxidized keratin derived from hair.
 FIG. 3. Graph depicting the number of moles of sodium hydroxide required to neutralize keratin derived from hair that has been oxidized

for varying times.

L2 ANSWER 3 OF 4 USPATFULL on STN
AN 2004:175096 USPATFULL
TI Hydratable form of keratin for use as a soil amendment
IN Smith, Robert Allen, Jackson, IN, UNITED STATES
Timmons, Scott F., San Antonio, TX, UNITED STATES
Van Dyke, Mark E., Fair Oaks Ranch, TX, UNITED STATES
Blanchard, Cheryl R., Warsaw, IN, UNITED STATES
Siller-Jackson, Arlene J., Helotes, TX, UNITED STATES
PA Southwest Research Institute (U.S. corporation)
Keraplast Technologies, Ltd. (U.S. corporation)
PI US 20040134248 A1 20040715
AI US 2003-715337 A1 20031117 (10)
RLI Division of Ser. No. US 2000-516755, filed on 1 Mar 2000, GRANTED, Pat. No. US 6649740
DT Utility
FS APPLICATION
LN.CNT 724
INCL INCLM: 071/015.000
NCL NCLM: 071/015.000
IC [7]
ICM C05F001-00
IPCI C05F0001-00 [ICM,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 4 USPATFULL on STN
AN 2003:302925 USPATFULL
TI Hydratable form of keratin for use as a soil amendment
IN Smith, Robert Allen, Jackson, MS, United States
Timmons, Scott F., San Antonio, TX, United States
Van Dyke, Mark E., Fair Oaks Ranch, TX, United States
Blanchard, Cheryl R., San Antonio, TX, United States
Siller-Jackson, Arlene J., Helotes, TX, United States
PA Keraplast Technologies, Ltd., San Antonio, TX, United States (U.S. corporation)
PI US 6649740 B1 20031118
AI US 2000-516755 20000301 (9)
DT Utility
FS GRANTED
LN.CNT 653
INCL INCLM: 530/357.000
INCLS: 530/355.000; 530/842.000; 530/418.000; 530/422.000; 530/423.000;
514/002.000; 073/073.000; 106/900.000
NCL NCLM: 530/357.000
NCLS: 073/073.000; 106/900.000; 530/355.000; 530/418.000; 530/422.000;
530/423.000; 530/842.000
IC [7]
ICM A61K038-17
ICS C07K014-00
IPCI A61K0038-17 [ICM,7]; C07K0014-00 [ICS,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
EXF 530/357; 530/355; 530/842; 530/418; 530/422; 530/423; 514/12; 073/73;
106/900
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008
SEA (KERATIN OR KERATIN HYDROGEL) AND SOIL(P)AMENDMENT? AND HYD

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1 FILE WPIDS
1 FILE WPINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HY

FILE 'IFIPAT, USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

L2 4 S L1

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

10.12

11.63

STN INTERNATIONAL LOGOFF AT 02:23:29 ON 08 DEC 2008